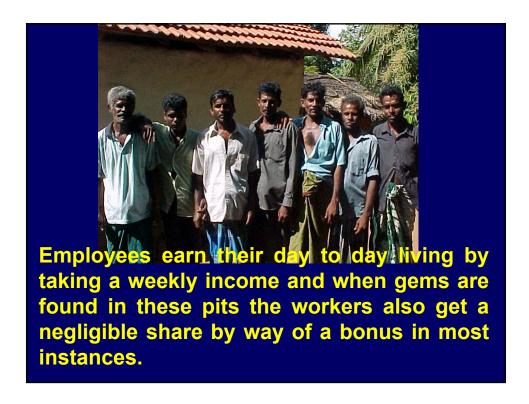


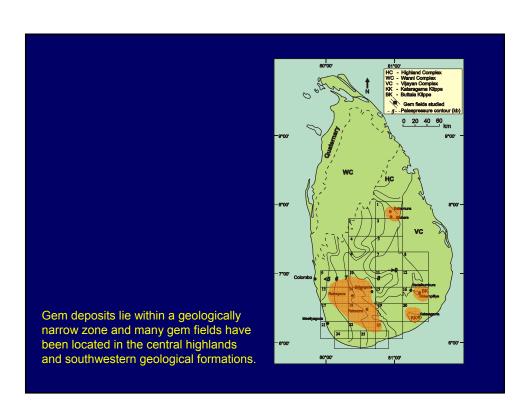
At present, there are about half a million families depending on this industry.

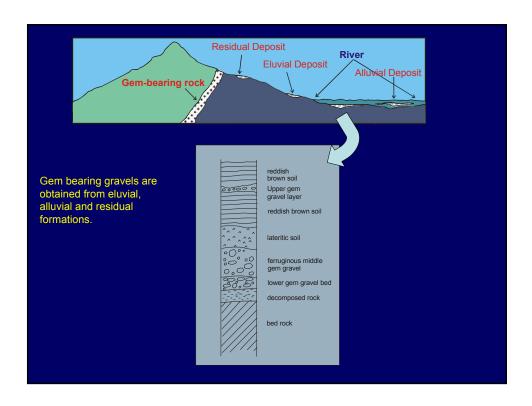
There are about 50 employees for each gem pit.

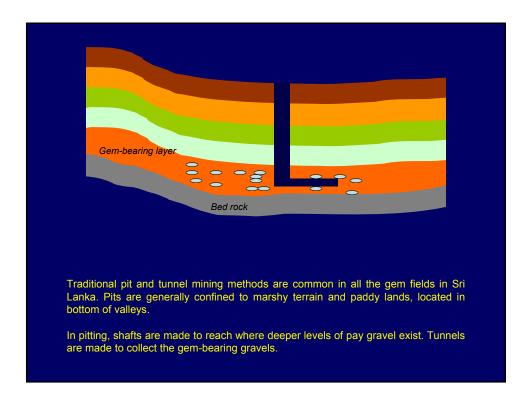
Year 2003 Sri Lanka earned \$ 54.5 million

> 90 % all mineral exports in the country

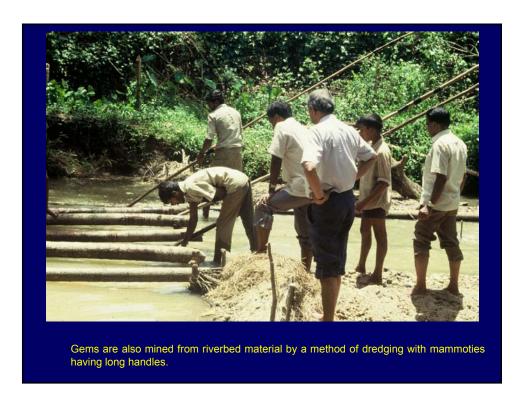








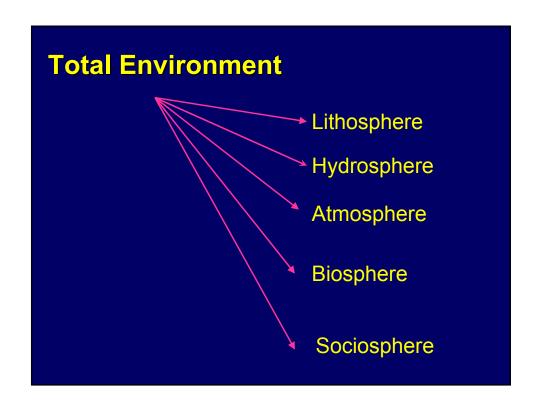




There are thousands of legal and illegal gem pits being operated annually which provides income to people.

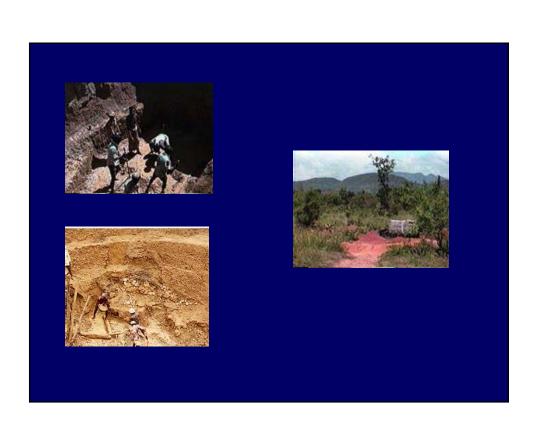
Most of the labour involved in the gemming industry is from low income groups while their efforts contribute to nearly 60% of the total income from mineral exploitation in Sri Lanka.

Despite the relatively high economic and social benefits gem mining cause significant environment damages.



Effect on Lithosphere

- Increasing soil erosion
- River-bank erosion
- Sedimentation
- •Flooding and landslides

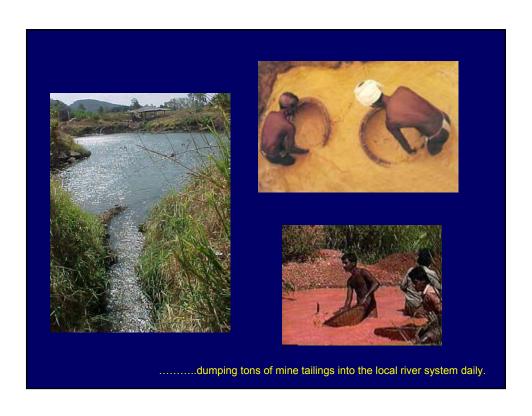






Effect on Hydrosphere

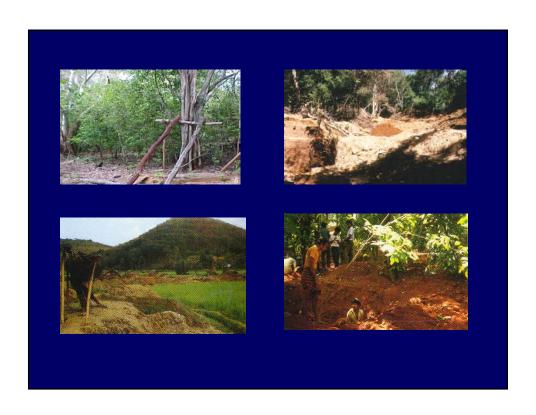
- Water pollution
- Groundwater depletion
- Reduction of irrigation efficiency





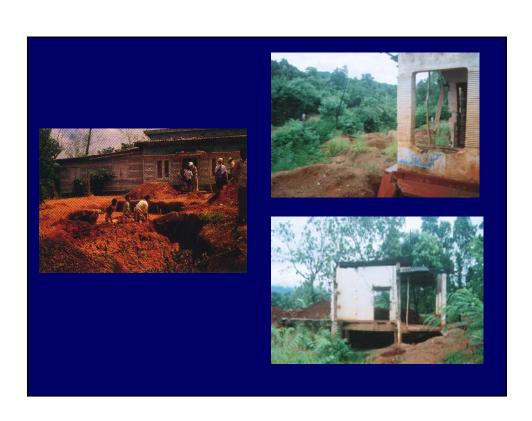
Effect on Biosphere

- •removal of vegetation cover
- •risk and/or damage to wild fauna and flora

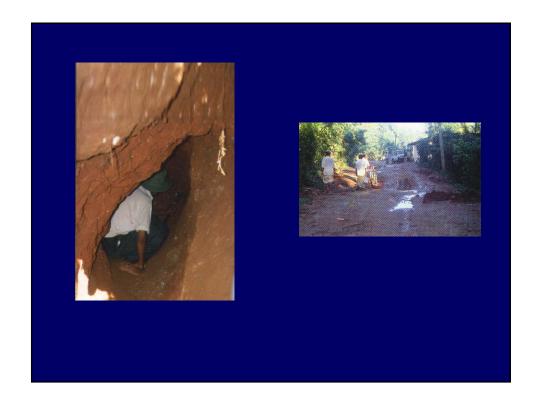


Effect on Sociosphere

- Sociological problems
- •Health problems such as malaria
- •Reduction of potential of agricultural lands
- Structural damages







Existing weaknesses......

1. Lack of awareness of environmental issues among the community:

Communities affected by mining operations and interested organizations need to gain an understanding of how their lives are affected.

For example, the release of polluted effluents particularly suspended matters to a local watercourse creates a serious danger of polluted water, which affects people, fish and microorganisms.

Existing weaknesses......

2. A lack of legal support:

No legal support is provided to communities facing the negative effects of mining activities.

- 3. Lack of monitoring systems
- 4. Lack of continuous environmental impact assessments

Existing weaknesses......

5. Weaknesses in government co-ordination and enforcement

Business profitability and the regional and national economy are seen as of paramount interest.

Management aims to reduce rather than prevent effects: For example, mining activities do not address preventing damage to natural resources such as soil, fauna, flora, protected species, sensitive habitats and ecosystems, cultural and historical sites, archaeological sites, surface water, groundwater, marine water and air.

Existing weaknesses......

6. Lack of involvement of NGOs

